

Name of Positions:

Molecular Plant-microbe/microbe-microbe interactions I and II

Name of College/Department/School/Division: College of Agricultural Sciences - Department of Botany and Plant Pathology

Location: Oregon State University – Corvallis, Oregon

Close dates:

December 31, 2023 or until filled. Start dates are flexible.

Summary: The Department of Botany and Plant Pathology at Oregon State University invites applications for two full-time postdoctoral scholar positions (1.0 FTE; 12-months). *Specific areas of research needs are molecular biology/biochemistry of microbe-plant/microbe interactions (wet-lab) and genomic epidemiology/population genomics of pathogenic microbes (dry-lab).* The positions are supported by multiple grants awarded to Drs. Chang and Grunwald (UDSA) and will provide a competitive stipend and health insurance for up to three years, subject to satisfactory performance. See <https://gradschool.oregonstate.edu/postdocs> for more details.

Successful applicants will join a group that researches diverse aspects of plant-microbe interactions including molecular mechanisms of pathogen virulence, molecular mechanisms of inter-bacterial competition, development of computational pipelines, CRISPR molecular diagnostic tools, as well as genomics and population genomics of bacterial and oomycete pathogens. The successful applicants will help mentor students, as well as lead and support manuscript and grant proposal writing. Successful applicants will also have opportunities to develop their own research, write competitive fellowship proposals, and develop critical career skills under the mentorship of Drs. Chang and Grunwald.

Articles exemplifying research areas include:

1. Interbacterial competition: <https://doi.org/10.1128/mBio.01927-21>
2. Computational pipeline: <https://doi.org/10.1146/annurev-phyto-020620-121736>, <https://doi.org/10.1371/journal.pcbi.1005404>
3. Pathogen virulence and genomics: <https://doi.org/10.1126/science.aba5256>, <https://doi.org/10.7554/eLife.30925>, <https://doi.org/10.1128/mBio.00326-20>, <https://doi.org/10.1094/MPMI-06-22-0133-R>
4. Detection and surveillance: <https://doi.org/10.1038/s42003-022-03394-w>

Required Qualifications: Minimum of a PhD in biology, computer science, or related fields. Applicants must have at least 2.5 years of eligibility for a postdoctoral scholar position, e.g., receive PhD prior to starting position with no or minimal prior postdoctoral experience. Demonstrated productivity, capacity for independent research, and intellectual creativity.

Preferred Qualifications: Research experience in plant-microbe interactions, microbiology, molecular biology, biochemistry, population/comparative genomics, and/or computational biology. Commitment to promoting a diverse and inclusive environment.

Demonstrated leadership and effectiveness in working collaboratively. Excellent oral and written communication skills.

Application Process: Please provide a cover letter, CV, as well as names and contact information for three references. Application material or relevant inquiries may be sent electronically to:

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